

METHOD FOR SHARING RUNTIME REPRESENTATION OF SOFTWARE COMPONENTS ACROSS COMPONENT LOADERS

ABSTRACT OF THE DISCLOSURE

A method for reducing a usage of main memory by a first class loader and a second class loader is provided. The first class loader and the second class loader are capable of dynamically loading a class having a class file, and translating the class file into a first and a second class type, respectively. The method includes dividing a runtime representation of the first class type into a first loader independent part and a first loader dependent part. Also included is determining whether a runtime representation of the second class type can use the first loader independent part of the runtime representation of the first class type. If the first loader independent part can be used, the method includes generating a second loader dependent part of the runtime representation of the second class type using the first loader independent part of the runtime representation of the first class type.